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using ceramic hydroxyapatite column chromatography, and

using affinity chromatography involving triple helix formation between the DNA and an immobilized oligonucleotide.

- 5 12. The process according to claim 1, wherein the double-stranded DNA is a plasmid.
13. The process according to claim 2, wherein the double-stranded DNA is a plasmid.
14. The process according to claim 3, wherein the double-stranded
- 10 DNA is a plasmid.
15. The process according to claim 4, wherein the double-stranded DNA is a plasmid.
16. The process according to claim 5, wherein the double-stranded DNA is a plasmid.
- 15 17. The process according to claim 6, wherein the double-stranded DNA is a plasmid.
18. The process according to claim 7, wherein the double-stranded DNA is a plasmid.
19. The process according to claim 8, wherein the double-stranded
- 20 DNA is a plasmid.
20. The process according to claim 9, wherein the double-stranded DNA is a plasmid.
21. The process according to claim 10, wherein the double-stranded DNA is a plasmid.
- 25 22. The process according to claim 11, wherein the double-stranded DNA is a plasmid.
23. A purified recombinant plasmid DNA composition, comprising a chromosomal DNA content that is less than or equal to 0.01%.

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24. A purified recombinant plasmid DNA composition according to claim 23, comprising a content of endotoxin that is less than or equal to 50 EU/mg.

25. The purified recombinant plasmid DNA composition according to claim ²⁶24, wherein the content of endotoxin is less than or equal to 10 EU/mg.

~~26. A composition comprising DNA obtained according to claim 1~~

~~and a carrier~~

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